

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>GHS/2501275WO</b>	<b>FOR FURTHER ACTION</b>		<small>see Form PCT/ISA/220 as well as, where applicable, item 6 below.</small>
International application No. <b>PCT/GB2004/004413</b>	International filing date (day/month/year) <b>18/10/2004</b>	(Earliest) Priority Date (day/month/year) <b>31/10/2003</b>	
Applicant <b>DAVY PROCESS TECHNOLOGY LIMITED</b>			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report
  - a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
    - The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
  - b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
2.  Certain claims were found unsearchable (See Box II).
3.  Unity of invention is lacking (See Box III).
4. With regard to the title,
  - the text is approved as submitted by the applicant.
  - the text has been established by this Authority to read as follows:  
**PROCESS FOR THE PRODUCTION OF ESTERS OF MONO-, DI- OR POLYCARBOXYLIC ACIDS**

5. With regard to the abstract,
  - the text is approved as submitted by the applicant.
  - the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,
  - a. the figure of the drawings to be published with the abstract is Figure No. 1
    - as suggested by the applicant.
    - as selected by this Authority, because the applicant failed to suggest a figure.
    - as selected by this Authority, because this figure better characterizes the invention.
  - b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004413

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07C67/08 C07C69/60 C07C29/17

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 032 458 A (COOLEY STONE D ET AL) 28 June 1977 (1977-06-28) column 1, line 6 - column 4; figures; examples	1-22
Y		16-19
X	GB 1 437 898 A (PETRO TEX CHEM CORP) 3 June 1976 (1976-06-03) page 1, line 40 - page 2, line 5 page 2, line 40 - page 3, line 113 examples	1-15, 20-22
Y		16-19
X	US 2 610 206 A (EDWARD SALT FRANCIS ET AL) 9 September 1952 (1952-09-09) column 2, line 16 - line 17 examples 1,2	1,2,4-7, 13,15
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*W\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*V\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the International search:

12 January 2005

Date of mailing of the International search report:

19/01/2005

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004413

## C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93/00440 A (DU PONT) 7 January 1993 (1993-01-07) page 9, line 25 - page 11, line 24 examples	1,2,4-7, 12,13,15
X	DE 32 22 837 A (HOECHST AG) 22 December 1983 (1983-12-22) examples claim 1	1,2,4-7, 13,15
X	DD 206 373 A (FRANKE JOACHIM; GABSCH GUENTHER; THIEME IRMGARD) 25 January 1984 (1984-01-25) page 1 - page 4 examples	1,2,4-7, 13,15

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004413

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4032458	A	28-06-1977	NONE		
GB 1437898	A	03-06-1976	US	3862147 A	21-01-1975
			CA	1009661 A1	03-05-1977
			DE	2340929 A1	07-03-1974
			FR	2196987 A1	22-03-1974
			GB	1436879 A	26-05-1976
			JP	49056916 A	03-06-1974
			IT	990226 B	20-06-1975
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WO 9300440	A	07-01-1993	US	5210296 A	11-05-1993
			AU	2142992 A	25-01-1993
			WO	9300440 A1	07-01-1993
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